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The Ohio Aerospace Industry

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The Ohio Aerospace Industry

Prepared for: The Dayton Development Coalition

Prepared by: Rudi Sotlar

July 25, 2017

SCM 7990-80: Capstone Project

PROJECT SUMMARY

Objective

Project objectives are to provide the Dayton Development Coalition(DDC) with the following:

- An informed working knowledge of Ohio based OEM aerospace manufacturers specifically in fixed and rotary wing, and their supply chain.
- Identify Ohio based manufacturers in the UAS field and their supply chain.
- Identify companies in Ohio either in manufacturing or research and development involved in cutting edge technologies such as Advanced Materials and Manufacturing Sensors, Hypersonics, Autonomous Operations, and Directed Energy.

Goals

Project deliverables will be in the form of a written report, an Industry Survey, and manufacturer database accessible to the DDC and Wright State University. The final product will define and categorize the industry by multiple measures. These measures will include, but not be limited to; products, technology, manufacturing area, plant ownership, number of employees, revenue, R&D projects, R&D expenditures, areas of expertise, and equipment sophistication and employee competence. The supply chains for the manufacturers will be mapped, and supplier tiers will be defined. Finalization of the project and presentation to the sponsor is scheduled for the week of July 24, 2017.

Project Outline/Methodology

- The Capstone is actually comprised of three projects; a written report, an Industry survey, and a manufacturers database.
- The written report is divided into four sections with a sizable appendix.
- The sections cover the Aerospace Industry and trends in a macro sense, and specific to the Ohio region.
- Large OEM manufacturers are highlighted, as well as technological trends.
- Section 4 of the report covers the methodology employed in both the Survey and Database.
- Results and conclusions to the study are explored in this section.
- A copy of the Industry Survey has been provided in the Appendix Section of the report.

Project Outcome

- The Database is comprised on 488 entities divided geographically.
- Additional attributes will allow for the sorting of the information.
- The written report is 142 pages and divided as outlined above.
- The Survey was 16 questions in length, and was distributed to 261 recipients.
- Clusters of manufacturing and technological capabilities were identified.